



National Aeronautics and  
Space Administration

SA-04-02



# Langley Research Center Safety Alert

Date: June 7, 2002

TO: Facility Safety Heads  
Facility Coordinators

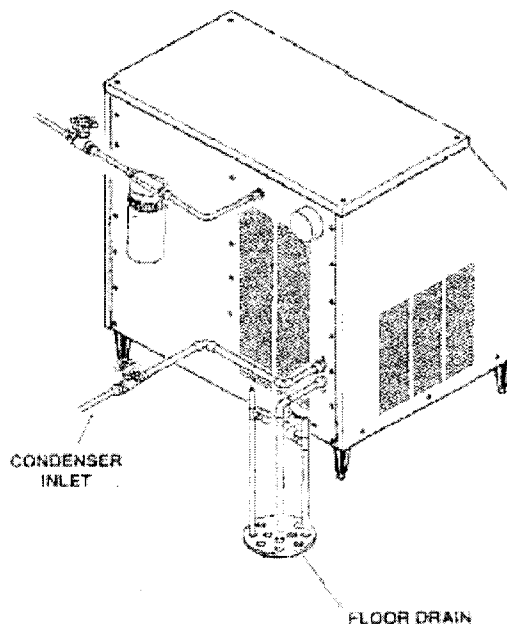
FROM: 429/Head, Office of Safety and Facility Assurance, OSMA

SUBJECT: Potential Hazard From Contaminated Ice Machines

A recent inspection of several ice machines, at the Langley Research Center, by Systems Engineering Competency revealed improper drain line installation. A common drain line was used to drain both condensate from the chiller coils and liquid from melting ice in the ice bin. Connecting the two drain lines together allowed condensate from the chiller coils to enter the bottom of the ice bin resulting in mold growth in the ice bin.

A vented drain line should be installed on the condensate drain for the chiller coils. A separate vented drain line should be installed on the liquid drain for the ice bin. Both drains should have a one (1") inch air gap where the lines terminate above the floor drain.

Facility Safety Heads and Facility Coordinators need to verify that any ice machines installed in their facilities are properly connected, with two separate vented drain lines for the drains on the chiller coils and ice bin. If you have any questions, please contact Rick Vogel at 47061.



Ensure that condensate  
and ice-bin drain lines are  
separate and are vented.

*Alan H. Phillips*

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**(This Safety Alert to be posted on Facility Bulletin Boards for a Minimum of 30 days.)**